

# Curriculum Vitae



**Dr. P.Murali Krishna Prasad**

Phone: +91-9849962648

E-mail: [pmkp70@gmail.com](mailto:pmkp70@gmail.com)  
[mkp70@rediffmail.com](mailto:mkp70@rediffmail.com)  
[pmkp70@gvpcew.ac.in](mailto:pmkp70@gvpcew.ac.in)

*Residence address:*

Dr.P.Murali Krishna Prasad  
Flat.No.301,Sri Sai Residency  
Midhilapuri VUDA Colony  
Madhurawada  
VISAKHAPATNAM-530041  
Andhra Pradesh, India.

*Office address:*

Dr.P.Murali Krishna Prasad  
Associate Professor  
Department of ECE  
GVP College of Engineering for Women  
VISAKHAPATNAM-530048  
Andhra Pradesh, India.

---

## Objective

To work in a dynamic environment in a reputed organization where my technical skills would help in the growth of my career and organization through continuous learning, and aiming to attain a responsible position in the organization.

## Educational Qualifications:

Course	Board/University	Specialization	Year of Passing
Ph.D (ECE)	Andhra University College of Engineering, Visakhapatnam	Digital Image Processing	February, 2017
M.E (ECE)	College of Engineering Osmania University,Hyderabad	Systems and Signal Processing	June, 2003
AMIETE	Institution of Electronics & Telecommunication engineers (I.E.T.E) New Delhi	Electronics and Communication Engg	June, 1997
D.E.C.E	State Board of Technical Education and Training, Andhra Pradesh	Electronics and Communication Engg	November,1988
S.S.C	Board of Secondary Education, Andhra Pradesh		April,1985

**Teaching Experience:**

: 23 years

Designation	Name of the employer	Duration From to	Length of service
Associate Professor	Principal, GVP College of Engineering for Women, Visakhapatnam	Since 2-11-2017	
Associate professor	Principal, GMR Institute of Technology Rajam, Srikakulam(Dt)	19-5-2006 to 31-10-2017	11 years 5 months
Assistant professor	Principal, Aurora's Engineering college Bhuvnagiri, Nalgonda(Dt)	1-1-2006 to 13-5-2006	4 months
Senior Lecturer	Principal, Aurora's Engineering college, Bhuvanagiri, Nalgonda(Dt)	1-1- 2004 to 31-12- 2005	2 years
Lecturer	Principal, Aurora's Engineering college, Bhuvanagiri, Nalgonda(Dt)	11-10-2000 to 31-12-2003	3 years 3 months
Lecturer in Electronics	Principal, HRD Degree & P.G.college Hyderabad	19-6-1997 to 10-10-2000	3 years 4 months
Junior Lecturer Electronics	Principal, GJC salur, Vizianagaram(Dt)	24-1-1991 to 31-3-1993	2 years 2 months

**Area of Expertise:**

Signal and Image Processing, Communications

**Appreciations/Awards/Achievements**

- Received **certificate of gratitude** from the secretary, Aurora educational society, Hyderabad for long service at Aurora's Engineering College, Bhuvanagiri during January 2006.
- Received **best faculty award** consecutively for the three academic years **2009-10, 2010-11** and **2011-12**, from Principal, GMR Institute of Technology, Rajam.
- Received **best paper award** for the paper titled "Edge Feature Extraction of X- Ray images based on Spatial Domain Techniques", **IEEE Technically co-sponsored national conference** on Emerging trends in Signal Processing And Communication Engineering ESPACE-2015 Aditya Institute of Technology And Management (AITAM), Tekkali, 20-21<sup>st</sup> February 2015.
- Awarded as **outstanding reviewer, Elsevier Computers and Electrical Engineering-An International Journal**, Scopus and Science Citation Expanded (SCIE) indexed Journal, February, 2017.
- Selected as a **Professor in ECE**, GMR Institute of Technology, Rajam through internal Promotion system during July, 2017.

## **Ratification**

- Ratified by JNTU, Hyderabad as an **Assistant Professor** in ECE during May, 2006.
- Ratified by JNTUK, Kakinada as an **Associate Professor** in ECE during May, 2010.

## **Administrative Duties**

- Class Committee member, GVPCEW since January 2018.
- Department NBA coordinator, GMRIT from October 2009 to October 2017.
- Department NAAC coordinator GMRIT, from January 2009 to August 2013.
- Department Autonomous coordinator GMRIT from October, 2011 to July 2016.
- Department ISO coordinator, GMRIT from October, 2006 to September, 2015.
- Member, Board of Studies (BOS), Dept. of ECE, GMRIT from September 2012 to October 2017.
- ISO internal auditor, GMRIT from September 2009 to October, 2017.
- Member, Quality Assurance Committee (QAC) from January 2009 to August 2013.
- Anti-ragging committee member from August 2006 to October 2017.
- Course coordinator for Analog Communications, Electronic Devices and Circuits.
- Lab incharge, Digital Signal Processing lab, GMRIT, Rajam from 2006 to 2017.
- Internal audit NBA committee member, GMRIT, Rajam during 2008 and 2012.
- Escorting member for NBA committee visit during December 2006, GMRIT, Rajam.
- Faculty coordinator for Industrial visit during November 2011.
- Nucleus member, Research & development team during August 2013 to November 2013
- Coordinator (both dept., and central), Industrial tours and local visits, at Aurora's engineering college, Bhuvanagiri during 2002 to 2006.
- Lab incharge, Electronic Devices and Circuits lab, Aurora's Engineering college, Bhuvanagiri from October 2000-May, 2006.

## **Subjects taught for UG:**

Digital Image Processing, Analog Communications, Digital Signal Processing, Electronic Devices and Circuits, Cellular & Mobile Communications, Digital Communications, Wireless Communication and Networks, Signals and Systems, Switching Theory and Logic Design, Microprocessors and Microcontrollers, Linear and Digital IC Applications, Television Engineering, Electronic Measurements and Instrumentation.

## **Subjects taught for PG**

Advanced Digital Signal Processing, Wireless Communication and Networks.

## Workshops/ Training programmes attended

- Three day intensive course on Image processing and its applications during 25-27 July 2001 organized by Dept., of ECE, university college of Engineering, Osmania University, Hyderabad.
- Short term intensive course on VLSI Design using FPGA's during 12-16 May 2003 organized by Dept of ECE, VNR Vignan Jyoti institute of Engineering & Technology, Hyderabad.
- Tutorials on "Wireless LAN" held on 11<sup>th</sup> July 2003 organized by IETE, Hyderabad centre.
- Five day intensive course on Digital signal processing and DSP processors (Analog Devices)' during 18-22 November 2003 organized by Dept., of ECE, university college of Engineering, Osmania University, Hyderabad.
- Two Day National workshop on Recent Trends in Nanoelectronics during 8-9 September 2006 at GMRIT, Rajam.
- Two Day National workshop on Applications of Microprocessors and Microcontrollers during 18-19 February 2008 at GMRIT, Rajam.
- Three day workshop on "Values and Beliefs" during August 2008 organized by GMR group at GMRIT, Rajam.
- Five Day National workshop on High Impact Teaching Skills (MISSION 10X) organized by Wipro during 8-12<sup>th</sup> December 2008 at GMRIT, Rajam.
- Two Day Training course on Internal Auditing on ISO 9001:2008 conducted by Real Time Quality Management Services, at GMRIT, Rajam during 21-22 August 2009.
- National workshop on Research Methodologies at JNTU, Kakinada on 24<sup>th</sup> Nov'09.
- Workshop on question bank preparation at JNTU Kakinada on 12<sup>th</sup> July 2010.
- Two day faculty development program organized by GMR group, Shmshabad, Hyderabad during 10-11<sup>th</sup> August 2011.
- Two day workshop on MATLAB and its Applications in Communications and Signal processing during 12-13 November 2011 organized by Dept. of ECE, Andhra university college of engineering, Visakhapatnam.
- Three day Continuing Professional Development programme on Quality Initiatives in Technical and Higher Educational Institutions (in compliance with NBA & NAAC accreditation) during 23-25 January 2012 Organized by **Engineering Staff college of India, Hyderabad.**
- **First world summit on Accreditation (WOSA-2012)** during 25-27 March 2012 organized by **National Board of Accreditation (NBA)** at New Delhi.
- Three day National workshop on "Swarm Intelligence: Theory and Applications" during 25-27 May 2012 organized by School of electrical sciences, **Indian Institute of Technology (IIT),Bhubaneswar.**
- Two day National workshop on "Medical signal and Image Processing" during 21-22<sup>nd</sup> December, 2012 organized by department of biotechnology and medical engineering **National Institute of Technology(NIT), Rourkela, Orissa.**
- Three day course design workshop during 15-17<sup>th</sup> February, 2013 at GMRIT, Rajam.

- Two day National workshop on Communications, signal and Image processing COSIP -2013 during 28-29<sup>th</sup> June 2013 organized by Dept. of ECE, University college of Engineering, JNTUK, Vizianagaram.
- Workshop on “values for happy & effective living” organized by GMRIT, Rajam on 3-8-2013
- National workshop for training resource persons on outcome based accreditation-phase I conducted by NBA nodal centre at JNUTK university college of Engineering, Vizianagaram on 13-9-13.
- Continuous improvement projects( CIP) workshop at GMRIT, Rajam on 18-9-13.
- National workshop for training resource persons on outcome based accreditation-phase II conducted by NBA nodal centre at JNUTK university college of Engineering, vizianagaram during 26<sup>th</sup>-28<sup>th</sup> September 2013.
- Two day workshop on Question paper design: OBE perspective during 29-30<sup>th</sup> January 2014 at GMRIT, Rajam.
- Two day workshop on “Discover Yourself -A Leadership Retreat” during 28-29<sup>th</sup> April 2014 organized by GMRIT at Sunray village resort, Bhogapuram, Visakhapatnam.
- Faculty Orientation Programme on" Centre of Excellence for e-Resource Development & Deployment" (COEeRD) Globarena Technologies Pvt.Ltd & JNTU university college of Engineering, Vizianagaram, JNTUK university college of Engineering, Vizianagaram on 26-8-14.
- Faculty workshop on “Refining the lab course delivery and Evaluation” during 24-25<sup>th</sup> September 2014 at GMRIT,Rajam.
- Two day Hands-on MATLAB training on ‘Biomedical Signal & Image Processing & Analysis’ conducted by Scientific Computing Solutions (SCS) -India at Corporate Learning Facility, Visakhapatnam during 14-15<sup>th</sup> February 2015.
- Attended three day faculty workshop on “Theories in Learning and curricula design”during 5-7<sup>th</sup> March 2015 at GMRIT Rajam.
- Two-day National Workshop on Patent and Copyrights for Maximizing Research Impact (PCMRI-2K15) during 26<sup>th</sup> – 27<sup>th</sup> December, 2015 at GMRIT, Rajam.
- Two day Hands-on MATLAB training Hands-on Program on Artificial Neural Networks (ANN) and Fuzzy Logic, GA & Wavelets in Signal & Image Processing Applications conducted by Scientific Computing Solutions (SCS) -India at Corporate Learning Facility, Visakhapatnam during 5-6<sup>th</sup> February 2016.
- Five-day National Workshop on “Advanced Signal Processing Applications in Electronics and Telecommunication (WASET-2k16)” sponsored by Department of Science and Technology, New Delhi, Govt. of India, organized by Department of ECE, GMRIT, Rajam during 21<sup>st</sup> - 25<sup>th</sup> March, 2016.
- Two Day Program on Internal Auditor Training on Quality Management systems based on ISO 9001:2015& ISO 19011:2011 conducted by KnM Consulting at GMRIT, Rajam during 30-31st March, 2016.
- One day training Program on “Inner excellence” conducted by Pyramid Spiritual Science Society, Bangalore during 6<sup>th</sup> May 2016 at GMRIT, Rajam.
- Two-Day Workshop on “Object Oriented Enriched Revised Bloom's Taxonomy” (OOERBT) during 16<sup>th</sup>- 17<sup>th</sup> September, 2016 at GMRIT, Rajam.

- One week Faculty Development Program on Advances in Communication Technology sponsored by TEQIP-II and Organized by Dept. of ECE, Aditya Institute of Technology And Management (AITAM), during 26<sup>th</sup> – 1<sup>st</sup> October, 2016.
- Two-Day Workshop on “Empowering Engineering Faculty in Question Paper Setting” during 11<sup>th</sup>- 12<sup>th</sup> November, 2016 at GMRIT, Rajam.
- Two-day national Workshop on “Recent Advances in Signal Processing and Communications” organized by Department of ECE, GMRIT, Rajam during 21st – 22nd April, 2017.
- Two-Day National Level Workshop on “Outcome Based Education & Accreditation (OBE & OBA)” during 17<sup>th</sup>-18<sup>th</sup> May,2017 organized by GMRIT, Rajam in association with Faculty Development Centre, JNTUK Kakinada at GMRIT Rajam.
- Three-day Management Development Programme on “What Every Teacher Should Know for Bringing out the Best from their Students” during 1<sup>st</sup>-3<sup>rd</sup> June 2017 organized by GMRIT in association with Institute of Rural Management(IRMA), at GMRIT, Rajam.
- Three day national Workshop on Cryptology & Cyber Security, (WCCS-2018), sponsored by Cryptology Research Society of India(CRSI) Kolkata,Jointly organized by Departments of CSE & ECE, GVP College of Engineering for Women, Visakhapatnam during 22-24<sup>th</sup> March, 2018.

## **Publications**

### **International Journals**

1. **P.M.K.Prasad**, D.Y.V.Prasad, Prof.G.Sasi Bhushana Rao “Performance Analysis of orthogonal and Biorthogonal wavelets for Edge detection of X-ray Images” **Procedia Computer Science- Elsevier Journal (Scopus Indexed)** Volume 87(2016), ISSN: 1877-0509, PP.116 – 121.
2. **P.M.K.Prasad**, Prof.G. Sasi Bhushana Rao, M.N.V.S.S.Kumar “Performance Analysis of Biorthogonal Wavelets for Edge Feature Extraction of X-ray Images Based on Parameterized Filter Design” International Journal of Applied Engineering Research ( **Scopus Indexed**),ISSN 0973-4562 Volume 10,Number 5( 2015) pp. 11979-11993.
3. **P.M.K. Prasad**, Prof. G.Sasi Bhushana Rao, M.N.V.S.S. Kumar, K. Chhiraajeevi, “Design and implementation of Non-Perfect Reconstruction Biorthogonal Wavelets for Edge detection of X-ray images” International journal of Data Science, ISSN print: 2053-0811, Volume 3, No.1 ,2018, PP 50-67, **Inderscience publishers, Switzerland**.
4. Ranjan K. Senapati, **P. M. K Prasad** , Gandharba Swain,T. N. Shankar, “Volumetric medical image compression using 3D listless embedded block partitioning” **SpringerPlus International Journal, Scopus indexed and Science Citation Index Expanded (SCI Expanded)** Journal, Impact Factor 0.982, ISSN:2193-1801,DOI 10.1186/s40064-016-3784-y, (2016) 5:2100.
5. Ratna Bhargavi V, Ranjan K Senapati, Gandharba Swain, **PMK Prasad**,” Computerized diabetic patients fundus image screening for lesion regions detection and grading” Biomedical Research-An International Journal of Medical Sciences, **Scopus and Science Citation Expanded (SCI Expanded) indexed Journal, Impact Factor 0.226, H Index 13,Google Scholar h5 index:14**, ISSN: 0970-938X (Print) 0976-1683 (Electronic).

6. **P.M.K.Prasad**, Dr.G.Sasi Bhushana Rao, M.N.V.S.S. Kumar “Implementation of MRA based Biorthogonal Wavelets for Edge Feature Extraction of X-ray images” International Journal of Graphics and Image Processing, ISSN 2249-5452 Vol.5,Issue 1, Feb.2015.
7. Prof.G.Sasi Bhushana Rao, **P.M.K.Prasad**, M.N.V.S.S.Kumar, “Investigation of various orthogonal wavelets for precise analysis of X-ray images” International Journal of Engineering Research and Applications, ISSN 2248-9622, Vol.5, Issue 2(Part 3), February 2015, pp 24-32 **Impact factor 1.69**.
8. M.Satyam Naidu, **P.M.K.Prasad** “Image Sharpness Estimation and Graph Theory Based Medical Image Segmentation” International Journal of Applied Engineering Research (**Scopus Indexed**) ISSN 0973-4562 Vol.10 No.69 (2015), PP: 251-256.
9. Ranjan K. Senapati, **P.M.K. Prasad**, S. Shabnam, Ch. Jagadeesh, K. Srinath “An Optimised Distributed Arithmetic Architecture for 8×8 DTT” International Journal of Engineering and Technology (**Scopus Indexed**), ISSN : 0975-4024 Vol 7 No. 4 Aug-Sep 2015, PP-1278-1290.
10. V.Ratna Bhargavi, Ranjan K. Senapati, Bhavani Sankar Y, **P.M.K.Prasad**, “Assessment of Diabetic Retinopathy Grading By the identification of Lesions in Optic Color Fundus Images using Curvelet, Thresholding and SVM Classifier Methods” Far East Journal of Electronics and Communications (**Scopus Indexed**) Volume 16, Issue 2, Pages 325-341, June 2016, ISSN: 0973-7006.
11. Burugupalli Kasi Babu, V.Chaitanya Kumar, **P.M.K.Prasad** “Low-Complexity PTS and SLM Techniques on PAPR reduction in SFBC MIMO-OFDM systems” Indian Journal of Science and Technology, Vol.10(11), March,2017 ISSN (Print) : 0974-6846 DOI: 10.17485/ijst/2017/v10i11/107892 (**Indexed in Web of Science**).
12. Karri Chiranjeevi, Umaranjan Jena, **P.M.K.Prasad**, “Hybrid Cuckoo Search Based Evolutionary Vector Quantization for Image Compression” Artificial Intelligence and Computer Vision, Studies in Computational Intelligence 672, DOI 10.1007/978-3-319-46245-5\_7, **Springer International Publishing Switzerland (Scopus Indexed)**, 2017.PP 89-114.
13. **P.M.K.Prasad** “Color and gray scale image denoising using modified Decision Based unsymmetric Trimmed Median Filter” International Journal of Signal Processing Volume 1,2016, ISSN: 2367-8984, pp 71-76 IARAS Publishers, France, Europe.
14. **P.M.K.Prasad**, G.B.S.R.Naidu, K.Chiranjeevi, “Medical Image Edge detection using MRA based Wavelet Transforms”, International Journal of Latest Trends in Engineering and Technology (**Thomson Reuters Indexed Journal, Impact factor 0.685**), ISSN: 2278-621X Volume 7, Issue1, May 2016, PP:644-650.
15. Sunil kumar kuppili, **P.M.K.Prasad**, Y.Raghavender rao “An Enhanced Area Optimized Image Edge Detection Based On Sobel Operator” International Journal of Innovative Science, Engineering & Technology (**Thomson Reuters Indexed Journal, Impact factor 3.471**) Vol. 1, Issue 9, November 2014, ISSN 2348 – 7968.
16. T.Prabhakar, K.Satya Prasad, **P.M.K. Prasad**, “Free Inter-band Aliasing Sub-band Adaptive Filtering with Critical Sampling Filter Bank Analysis” in the International Journal of Computer Applications (ISSN 0975-8887) Volume 12-No.11, January 2011, **Impact factor 0.814**.
17. **P.M.K.Prasad**, T.Prabhakar, G.Uma Madhuri “Image Compression using Orthogonal Wavelets Viewed from Peak Signal to Noise Ratio and Computation Time” in the International Journal of computer Applications (ISSN 0975- 8887) Volume 47-No.4, June 2012 **Impact factor 0.821**.

18. GBSR Naidu D.Srinivasa Rao, **PMK Prasad**, “A Study of MB-OFDM Wireless System over different UWB Channel Conditions”, International Journal of Network Communications and Emerging Technologies, **Impact factor 4.332**, Volume 6, Issue 2, February (2016) ISSN: 2395-5317, PP 1-6, EverScience Publications.
19. G.B.S.R.Naidu, **P.M.K.Prasad**, D.Srinivasa Rao, D.Y.V.Prasad“Communication towards 5G” International Journal of Trend in Research and Development” Volume 1 Issue 2 Nov-Dec 2014, **Impact factor 3.04**, ISSN: 2394-9333.
20. D.Srinivasa Rao, GBSR Naidu, **PMK Prasad**, “QoS based Spectrum Selection Scheme in Cognitive Radio Networks” International Journal of Network Communications and Emerging Technologies, **Impact factor 4.332**, Volume 6, Issue 1, January (2016), ISSN: 2395-5317, PP 12-17, EverScience Publications.
21. Haritha K, **Prasad P.M.K.**, Jawaharlal M., Chakravathi P. Kalyan”Design and Development of Controller Software for MAS Receiver Using Embedded System”, International Journal of Innovation in Computer Science and Engineering, Volume:5, Issue 1, 2015 PP-48-52, ISSN:2278-0947.
22. S.Devendra, **P.M.K.prasad** “Lifting Bi-orthogonal wavelet Transform Based Edge Feature Extraction” International Journal of Advanced Trends in Computer Science and Engineering, Vol.3,No.5,Pages:68-71(2014), ISSN:2278-3091.
23. Ch.Moses,**Dr.P.M.K.Prasad**,”Image Enhancemnt using Stationery Wavelet Trasnform” International Journal of Computer & Mathematical Sciences, ISSN:2347-8527, Volume 6, Issue 9, September, 2017. PP: 84-88.
24. **Dr.P.M.K.Prasad**, ” Wavelet Feature Extraction Based human Iris Regontion”Bulletin of Electrical Engineering and Informatics-An international Journal(**Scopus Indexed Journal**) (accepted for publication).

### International/National Conferences

1. **P.M.K.Prasad**, G.Sasi Bhusana Rao M N V S S. Kumar ” Analysis of X-Ray images using MRA based Biorthogonal wavelets for detection of minute fractures” in **IEEE International Conference** on Science, Engineering & Management Research (ICSEMR 2014) organized by Vel Tech MultiTech Dr.Rangarajan Dr.Sakunthala Engineering college, Chennai, Tamil Nadu during 27 -29 November 2014(**Scopus Indexed**).
2. **P.M.K.Prasad**, M.N.V.S.S.Kumar G.Sasi Bhushana Rao “ Design of Biorthogonal wavelets based on parameterized filter for the analysis of X-ray images” International conference on Computational Intelligence in Data Mining” Veer Surendra Sai university of Technology(VSSUT), Burla, Odisha 20-21st December 2014 published in Smart Innovation, Systems and Technologies, Volume 32,2015,pp 99-110, **Springer Proceedings (Scopus Indexed)**.
3. **P.M.K.Prasad**, G.Sasi Bhusana rao, MNVSS Kumar “Edge Feature extraction of X-ray bone image using Haar wavelet transform” in the proceedings of national conference on Advanced Communication and Computer Technologies(ACCT-2012) conducted by Institution of Electronics and Telecommunication Engineers(**IETE Visakhapatnam centre** in association with **Naval Science and Technological Laboratory(NSTL)** Visakhapatnam during 6th -7th July 2012.



4. **P.M.K.Prasad**, G.Sasi Bhusana Rao, MNVSS Kumar “ Analysis of X-Ray images based on orthogonal wavelets for detection of minute fractures” in the proceedings of **IEEE sponsored International conference** on Advances in signal Processing and Communications-2K14( NECICAPC- 2K14), Narasaraopeta Engineering College, Narsaraopet, Guntur(Dt) during 4-5 July 2014.
5. **P.M.K.Prasad**, Prof.G.Sasi Bhushana Rao, M.N.V.S.S. Kumar “Edge Feature Extraction of X- Ray images based on Spatial Domain Techniques” **IEEE Technically co-sponsored** national conference on Emerging trends in Signal Processing And Communication Engineering ESPACE-2015 Aditya Institute of Technology And Management (AITAM) Tekkali, 20-21<sup>st</sup> February 2015.
6. T.Prabhakar, .Birendra Biswal, **P.M.K.Prasad** “Fast convergence and error free SAF in Multimedia applications” in the proceedings of in the proceedings of **IEEE International Conference** on Computing, Communication and Applications (ICCCA 2012), PSNA College of Engineering and Technology, Dindigul, Tamilnadu, during 22-24 February 2012.
7. Sunil Kumar Kuppili, **P.M.K.Prasad** “Design of Area Optimized Sobel Edge Detection” in International Conference on Computational Intelligence in Data Mining ICCIDM-2014 (Springer conference) organized by Veer Surendra Sai university of Technology (VSSUT) Burla, Odisha during 20 -21 December 2014 published in Smart Innovation, Systems and Technologies, Volume 32,2015, pp 647-655, **Springer Proceedings (Scopus Indexed)**.
8. Ranjan K. Senapati,**P.M.K.Prasad** “Color Image Coding Using a Novel Block Based Embedded Technique” in 11th **IEEE India conference INDICON 2014** -Emerging Trends and Innovation in Technology organized by IEEE Pune section, Maharashtra, India, during 11th- 13th December 2014(**Scopus Indexed**).
9. S.Devendra, **P.M.K.prasad** “Lifting Biorthogonal wavelet design for edge detection” **IEEE International conference** on High Performance Computing and Applications (ICHPCA) CV Raman college of Engineering, Bhubaneswar, odisha during 22-24 December 2014(**Scopus Indexed**).
10. P.Vikas, M.Sampath kumar, M. Sri lakshmi, **P.M.K.Prasad** “Edge detection in noisy images using wavelet transform” in **IEEE National Conference** on Recent Advances in Electronics & Computer Engineering( RAECE 2015) during 13-15th February 2015 organized by Department of E.C.E. **Indian Institute of Technology, Roorkee(Scopus Indexed)**.
11. K.Haritha, M.Jawaharlal, **P.M.K.Prasad** P.Kalyan Chakravarthy “Design and Development of Controller Software for Mars Receiver using Socket Programming” International Conference on Computational Intelligence in Data Mining(ICCIDM-2015), Roland Institute of Technology, Berhampur Odisha, India during 5-6<sup>th</sup> December,2015 published in Advances in Intelligent Systems and Computing, Volume 410,2016,pp 113-120, **Springer Proceedings (Scopus Indexed)**.
12. **P.M.K.Prasad**, K.Amaranarayana Chowdary, Y.Raghavendra Rao “Derivative operators Approach for Edge feature extraction” in the proceedings of national conference on Automation, communication and Computing (NCACC 2010), GITAM University Visakhapatnam during 9<sup>th</sup>-10<sup>th</sup> December 2010.

13. B.Hymavathi, **P.M.K.Prasad** “Image denoising using Moving window–based Double Haar wavelet transform” in the proceedings of International conference on Machine Intelligence Application to Power, Signal Processing, Communication and Control (MIPSCCON- 2011), GMR Institute of Technology Rajam during 7<sup>th</sup>-9<sup>th</sup> April 2011.
14. Y.Raghavendra Rao, E.Nagabhooshanam, **P.Murali Krishna Prasad** “Directional filter design with subband coding for Image processing application” in the proceedings of International conference on Machine Intelligence Application to Power, Signal Processing, Communication and Control (MIPSCCON-2011), GMR Institute of Technology, Rajam during 7<sup>th</sup>-9<sup>th</sup> April 2011.
15. M.Srinivas, Y.Raghavendra Rao, **P.M.K.Prasad** “Image processing for object Tracking using VERTEX-FPGA” in the proceedings of International Conference on Technology and Management (ICTM-2011) sponsored by International Research & Development Organization (IRDO) at Hyderabad during 8<sup>th</sup>-10<sup>th</sup> June 2011.
16. B.Hymavathi, **P.M.K.Prasad** “Wavelet-adaptive shrinkage based color image enhancement using combined local variance and entropy analysis” in the proceedings of International conference on Nanoscience, Engineering & Advanced Computing(ICNEAC-2011), Swarnandra college of engineering & technology, Narsapur during 8<sup>th</sup> -10<sup>th</sup> July 2011.
17. G.Uma Madhuri, **P.M.K.Prasad**, Y.Raghavendra Rao “QRS detection of ECG signal using wavelets” in the proceedings of National conference on Advances in Communication Technologies(NCACT’12), Dept of ECE,GITAM University Visakhapatnam during 9-10, January 2012.
18. G.Uma Madhuri, **P.M.K.Prasad** “Parameterized Filter Design of Biorthogonal Wavelet for Edge Feature Extraction” in the proceedings of International conference on Innovation in Electronics and Communication engineering (IJIECE-2012), Gurunanak Institute of Technology, Hyderabad during 20-21 July 2012.
19. T.Ravikanth, **P.M.K.Prasad** “Non-perfect reconstruction biorthogonal wavelets for edge feature extraction” in the proceedings of International conference on Science, Technology and Management (ICSTM – 2013), Srinivasa Institute of Technology and Management studies(SITAMS), chittoor, India during 27-28<sup>th</sup> September 2013.
20. GBSR Naidu,D.Srinivasa Rao, **PMK Prasad**, Y.Raghavender Rao“MIMO-OFDM Wireless LAN For High Data Rate Multimedia Applications” in National Conference on Recent Trends in Science and Technology NCRTST-2015 (ISBN 978-93- 82570-52-3 pp 175-179) organized by JNTUH College of Engineering., Nachupally, Karimnagar, Telangana State during 25 – 26<sup>th</sup> February 2015.
21. GBSR Naidu, D.Srinivasa Rao,**P.M.K.Prasad**, “Comparative Analysis of OFDM System with Reduced PAPR over Signal Distortion Techniques”, International Conference on Recent Trends and Recent Issues in Computer Science and Engineering(ICRTRICSE-2K15), Organized by Department of Computer Science and Systems Engineering, AU college of Engineering(A), Visakhapatnam during 2nd & 3rd May, 2015.
22. GBSR Naidu, D.Srinivasa Rao, **PMK Prasad**, “Performance Analysis of OFDM system under in different UWB Channel Conditions” National Conference on E-Solutions for Sustainable Development (NCESSD-2015) organized by Dayananda Sagar University, Bengaluru during 17<sup>th</sup> December, 2015.

23. Manda Mahesh, **P.M.K.Prasad**, P.Murali Krishna “Adaptive Hold Logic with variable Latency Multiplier” International Conference on Recent Innovations in Engineering and Technology ICRIET-2K16 (ISBN: 978-93-86163-56-1) organized by Gandhi Institute of Engineering and Technology, Gunupur, Odisha during 5<sup>th</sup> & 6<sup>th</sup> November, 2016.
24. **Dr.P.M.K.Prasad**, G.Umamadhuri, “Biorthogonal wavelet Based Image Compression”, **Springer Joint International Conference** on Artificial Intelligence and Evolutionary Computations in Engineering systems(ICAIECES-2017) & Power, Circuit and Information Technologies(ICPCIT-2017) organized by Madanapalli Institute of Technology and Science, Madanapalli, Andhra Pradesh during 27-29<sup>th</sup> April, 2017, published in Advances in Intelligent Systems and Computing Volume 668, 2018, pp473-483, **Springer Proceedings (Scopus Indexed)**.
25. **Dr. P.M.K.Prasad**, Dr.Y.Raghavender Rao, “Edge Feature Extraction of X-ray Images based on Simplified Gabor Wavelet Transform”, **Springer Joint International Conference** on Artificial Intelligence and Evolutionary Computations in Engineering systems(ICAIECES-2017) & Power, Circuit and Information Technologies(ICPCIT-2017) organized by Madanapalli Institute of Technology and Science, Madanapalli, Andhra Pradesh during 27-29<sup>th</sup> April, 2017, published in Advances in Intelligent Systems and Computing Volume 668, 2018, pp391-404, **Springer Proceedings (Scopus Indexed)**.
26. K.Srinivas Venkatesh, **Dr.P.M.K.Prasad**, “Filter Based Enhancement of X-Ray Image through Hardware Description Language”, 2<sup>nd</sup> **IEEE International Conference** on Intensive Computation Technologies(ICICT-2017), organized by RVS Technical campus, Coimbatore during 24-25, August 2017(**Scopus Indexed**).

**Reviewer/Editorial Board Member :**

- **Reviewer, Elsevier** Computers & Electrical Engineering-An International Journal, **Scopus indexed and Science Citation Index Expanded (SCIE) Journal**.
- **Reviewer**, Security and Communication Networks An International Journal, **Scopus indexed and Science Citation Index Expanded (SCIE) Journal, Hindwai Publishers, London, U.K.**
- **Reviewer**, Journal of Ambient Intelligence and Humanized Computing ( **Spinger Journal**), **Scopus indexed and Science Citation Index Expanded (SCIE) Journal**, Springer Publishers.
- **Reviewer**, International Journal of Biomedical Engineering and Technology, **Scopus indexed and Emerging Sources Citation indexed (ESCI) Journal, Inderscience Publishers, Switzerland.**
- **Reviewer**, Journal of Engineering Science and Technology(JESTEC),**Scopus and Emerging Sources Citation Index (ESCI) indexed Journal, Malaysia.**
- **Editorial board member**, International Journal of Advanced Computer Research (IJACR), **Scopus Indexed Journal.**
- **Reviewer**, Advances in Science, Technology and Engineering Systems Journal(ASTESJ), Peer reviewed, Thomson Reuters Indexed Journal ISSN: 2415-6698, ASTES Publishers, USA.

- **Editorial board member**, International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET) Peer reviewed, Thomson Reuters Indexed Journal
- **Editorial board member**, International Journal of Scientific Research in Science & Technology (IJSRST) Peer reviewed, Thomson Reuters Indexed Journal.
- **Editorial board member**, International Journal of Advanced Engineering Research and Science (IJAERS), Peer reviewed, Thomson Reuters Indexed Journal.
- **Editorial board member**, International Journal of Advanced Trends in Technology, Management and Applied Science (IJATTMAS) Peer reviewed Journal.
- **Reviewer**, International Journal of Computer Applications Technology and Research (IJCATR).
- **Editorial board member**, International Journal of Latest Engineering and Management Research (IJLEMR).
- **Editorial board member**, International Journal of Latest Engineering Technology, Management and Applied Sciences (IJLETMA) Peer reviewed Journal.
- **Editorial board member**, IJRDO-Journal of Electrical and Electronics Engineering, Peer reviewed Journal.
- **Member**, The Science and Information (SAI) Organization, United Kingdom.
- **Reviewer/TPC**, Science and Engineering Research centre (SERC), Hongkong

**Reviewer/Technical Program Committee member/Session Chair for International Conferences:**

- **Reviewer** for International Conference on Computational Intelligence in Data Mining ICCIDM-2014 (**Springer Conference**) organized by Veera Surendra Sai University of Technology, Burla, Odisha, India. during 20 -21 December 2014.
- **Reviewer** for International Conference on Computational Intelligence in Data Mining ICCIDM-2015 (**Springer conference**) organized by Roland Institute of Technology, Bherhempur, odisha, India during 5-6<sup>th</sup> December, 2015.
- **Reviewer**, for the **IEEE International Conference** on Teaching and Learning in Education (ICTLE 2016) organized by **Universiti Tenaga Nasional, Kuala Lumpur, Malaysia** during 1<sup>st</sup> - 2<sup>nd</sup> of March, 2016.
- **Reviewer** for third International Symposium on Computer Vision and the Internet (VisionNet'16) organized by The LNM Institute of Information Technology, Jaipur, Rajasthan, India during September 21-24, 2016.
- **Member, Technical Program Committee** for International conferences ICCIE2016, MCSSE2016, EEPE2016, WCNE2016, CMEE2016, MSOTA2016, ICEEA2016, SEEE2016, ITME2017, ICESEE2017, MMTA2017, AEMS2017, MSAM2017, CMME2017, EAME2017, SMCE2017, EMSE2017, TMCME2017, AMSIE2017, AMSM2017, AITA2017, MCAE2017, CMSA2018, AEEA2018, EPME2018, CNAI2018, ICEEA2018, MSO2018, ICAITA2018, EPE2018, MDMAE2018, EEME2018, EEE2018, AMSE2018, MEASS2018, IVPAl2018, CCNE2018, AMEE2018, EMSS2018.
- **General Chair** for 2nd International Conference on Computer, Network Security and Communication Engineering CNSCE2017 during 26-27th March 2017, Bangkok, Thailand.
- **General Chair** for 4th International Conference on Education Reform and Modern Management ERMM2017 during 6-7th August 2017, Phuket, Thailand.

- **General Chair** for 2nd International Conference on Communications, Information Management and Network Security CIMNS2017 during 22-23 October 2017, Beijing, China.
- **Reviewer** for International conference on Electrical, Electronic and Mechanical Engineering EEME2016 during 29-30<sup>th</sup> September, 2016, Bangkok, Thailand.
- **Reviewer** for International conference on Computer, Electronics and Communication Engineering CECE2017 during 25-26th June 2017 Sanya, China.
- **Session Chair, Springer Joint International Conference** on Artificial Intelligence and Evolutionary Computations in Engineering systems(ICAIECES-2017) & Power, Circuit and Information Technologies(ICPCIT-2017) organized by Madanapalli Institute of Technology and Science, Madanapalli, Andhra Pradesh during 27-29<sup>th</sup> April, 2017.
- **Reviewer** for 21<sup>st</sup> World Multi-Conference on Systemics,Cybernetics,and Informatics WMSCI2017 during July8-11, 2017,Orlando,Florida,USA.
- **Reviewer** for 4<sup>th</sup> International Conference on Computational Intelligence in Data Mining ICCIDM-2017 (**Springer Conference**) organized by Veera Surendra Sai University of Technology, Burla, Odisha, India. during 11-12<sup>th</sup> Novemeber 2017.
- **Reviewer** for 2<sup>nd</sup> International Conference on Wireless Communication and Network Engineering WCNE 2017 during 24-25 December 2017, Xiamen, China.
- **Reviewer** for International Conference on Micro-Electronics, Electromagnetics and Telecommunications ICMEET-2K18 (**Springer Conference**) organized by GVP College of Engineering, Visakhapatnam, India during 3-4 February,2018.
- **Reviewer** for International conference on Computer Science Electronics and Communication Engineering CSECE2018 during 7-8<sup>th</sup> February, 2018 Sanya, China.
- **Reviewer** for 2<sup>nd</sup> International Conference on Artificial Intelligence: Technologies and Applications ICAITA2018 during March 25-26<sup>th</sup>, 2018 ,Chengdu, China.
- **General Chair**, International Conference on Energy, Environment and Power Engineering EEPE2018 during 27-28<sup>th</sup> May,2018 , Sanya, China.
- **General Chair**, International Conference on Computer, Electronic and Mechanical Engineering CEME2018 during 22-23 July, 2018, Shanghai, China.
- **General Chair**, International Conference on Education, Management and Social Science EMSS2018 during 22-23 July, 2018, Shanghai, China.
- **Advisory Committee member, IEEE International Conference** on Intelligent Computing and Sustainable System (ICICSS2018) organized by Akshaya College of Engineering and Technology, Coimbatore, India, 20-21<sup>st</sup> September 2018.
- **Reviewer** for International Conference on Computational Intelligence in Data Mining ICCIDM-2018 (**Springer Conference**) organized by Veera Surendra Sai University of Technology, Burla, Odisha, India. during 15-16 December 2018.

## **Resource person**

- Resource person for two week “Short term training programme”, sponsored by ISTE-AICTE on “Computer Aided Design of Electronic circuits” (CADEC), and delivered talk on Digital Signal Processing using MATLAB during 1-13th December 2003 at Aurora’s Engineering college, Bhuvanagiri, Nalgonda(Dt), A.P.
- Resource person for Two Day National workshop on “EDC and Circuit Analysis for Young faculty”, delivered a talk on “Field Effect Transistor (FET) & Unijunction Transistor(UJT)” during 28-29<sup>th</sup> November 2008 at GMRIT, Rajam.
- Resource person for workshop on “values and beliefs” during November 2009 at GMRIT Rajam.
- Resource person for workshop on “Outcome Based Education & Accreditation” during Novemeber,2013 at GMRIT Rajam.
- Reesource person for two day training programme on “Digital Image Processing using MATLAB” during 1<sup>st</sup> -2<sup>nd</sup> June 2015 at GMRIT Rajam.
- Resource person for value added course on “Signal Processing using MATLAB” during December 2017 organized by Dept.of ECE, GVP College of Engineering for Women, Visakhapatnam.

## **Coordinator/Organizing Committee member**

- organizing committee member for state level technical symposium AAROHAN conducted by Aurora’s Engineering college, Bhuvanagiri during 19-20 March 2004.
- organizing committee member for state level technical symposium ANANYA conducted by Aurora’s Engineering college, Bhuvanagiri during 8-9 October 2005.
- Programme committee member for short term training program(STTP) for Advances in Digital Signal processing organized by GMRIT, Rajam during 26-30th March 2007.
- Logistics and hospitality committee member for 10<sup>th</sup> ISTE student national convention organized by GMRIT, Rajam during 5-6th October 2007.
- organizing committee member for two Day National workshop on “EDC and Circuit Analysis for Young faculty”, delivered a talk on “Field Effect Transistor (FET) & Unijunction Transistor (UJT)” organized by GMRIT, Rajam during 28-29 November 2008.
- Organizing committee member for two day national workshop on “Optimization techniques in engineering applications” during organized by GMRIT, Rajam during 12-13<sup>th</sup> March 2009.
- Organizing committee member for DST sponsored two day national Workshop on Advanced Digital Signal Processing Applications in Electronics and Telecommunications(WASET2010) organized by GMRIT Rajam during 19-20 February 2010.
- Organizing committee member for two day national workshop on FPGA based DSP Implementation using XILINX(FDIX-10) organized by GMRIT Rajam during 26-27<sup>th</sup> November 2010.
- organizing committee member and Treasurer for International conference on Machine Intelligence Application to Power, Signal Processing, Communication and Control (MIPSCON-2011), GMR Institute of Technology, Rajam during 7<sup>th</sup>-9<sup>th</sup> April 2011.

- organizing committee member for two day national workshop on Advanced Communication Systems and Networks (ACSAN-2011) organized by GMRIT, Rajam during 18-19<sup>th</sup> November 2011.
- Committee member for college annual day celebrations, GMRIT Rajam during the years 2010-2016.
- Organizing committee member for two day national workshop on Embedded systems and Real time operating systems (ESRTOS-2012) organized by GMRIT, Rajam during 16-17<sup>th</sup> November 2012.
- Committee member, Graduation day celebrations, GMRIT, Rajam during June 2013.
- programme committee member for two day national workshop on VLSI application to Radar and Image Processing (VARIP-2014) organized by GMRIT, Rajam during 28<sup>th</sup> Feb -1<sup>st</sup> March 2014.
- organizing committee member, National workshop on Wireless Sensor Networks for Health Care & Environmental Monitoring (WSNHEM-14) organized by GMRIT, Rajam during 14-15 Nov, 2014.
- organizing committee member and Treasurer for Five-day National Workshop on “Advanced Signal Processing Applications in Electronics and Telecommunications (WASET-2k16)” sponsored by Department of Science and Technology, New Delhi, Govt. of India, organized by Department of ECE, GMRIT, Rajam during 21<sup>st</sup> - 25<sup>th</sup> March, 2016.
- Institutional Faculty coordinator, Hospitality committee, national level Student Technical Paper Contest and Exhibition STEPCONE-17 organized by GMRIT Rajam.during 27-29<sup>th</sup> January-2017
- organizing committee member and Treasurer for Two-day National Workshop on “Recent Advances in Signal Processing and Communications”organized by Department of ECE, GMRIT, Rajam during 21<sup>st</sup> – 22<sup>nd</sup> April, 2017.
- **Coordinator** for three day **Faculty Development Programme** on “Signal Processing and Communication Systems” organized by Dept.of ECE, GVP College of Engineering for Women, Visakhapatnam during 15-17<sup>th</sup> November, 2017.
- **Chair person**,Organizing Committee, three day **national Workshop** on Cryptology & Cyber Security, (WCCS-2018), sponsored by Cryptology Research Scoienty of India(CRSI) Kolkata,Jointly organized by Departments of CSE & ECE, GVP College of Engineering for Women, Visakhapatnam during 22-24<sup>th</sup> March, 2018.

### Co-curricular duties

- Assistant coordinator, JNTU spot valuation centre at GMRIT, Rajam,May, 2008.
- Observer for EAMCET 2015, EAMCET2016.
- Observer for JNTU exams,2006,2007,2018
- Chief valuer for JNTU exams,2010
- Question paper setter,VRSEC,PVPSIT,RVRJCCE,MLRIT,GPRECE.
- Internal judge, national level student paper contest, Student Technical Paper Contest and Exhibition STEPCONE organised by GMRIT, Rajam during the years 2011 to 2016.
- Prepared students handbook material for five subjects during 2003 to 2006 at Aurora’s Engineering college, Bhuanagiri.

Electronic Devices and Circuits ,Digital Image Processing,Linear and Digital Integrated Circuits Applications, Digital Signal Processing,Digital Speech & Image Processing.

- Prepared LAN based courses (UG), GMRIT,Rajam.  
Digital Image processing, Electronic Devices and circuits Cellular and mobile communications,Digital Signal processing, Wireless communications and Networks, Analog Communications), Signals and Systems,Digital Communications.

### **Projects guided:**

P.G.Projects: 11      U.G.Projects: 22

### **Professional body memberships:**

- Life Member, Indian Society for Technical Education( ISTE), New Delhi.
- Associate member, Institution of Electronics and Telecommunication Engineers(IETE), New Delhi.
- Member, International Association of Engineers(IAENG), HongKong.

### **Personal Profile**

Date of Birth:	12 <sup>th</sup> June,1970
Father's Name:	Late P.Rama Rao
Mother's Name:	P.Vimala Kumari
Sex:	Male
Marital Status:	Married
Nationality:	Indian
Languages Known:	English, Hindi and Telugu

### **Declaration**

I hereby declare that the information furnished above is true to the best of my knowledge and belief. I assure of my endeavors to do my level best up to your utmost satisfaction.

Place: VISAKHAPATNAM

Date: 23-5-2018

Dr.P.MURALI KRISHNA PRASAD